

## MATERIAL SAFETY DATA SHEET

DATE PRINTED: 3/18/2005  
W. M. Barr

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## SECTION 1. CHEMICAL PRODUCT AND COMPANY INFORMATION

MANUFACTURERS NAME  
W.M. BARR & COMPANY, INC.ADDRESS  
2105 Channel Ave.  
Memphis, TN 38113 USAEMERGENCY TELEPHONE #1  
901-775-0100EMERGENCY CONTACT  
W.M. Barr Technical Services

## EMERGENCY INFORMATION

"3E" 24 HOUR MEDICAL EMERGENCY #, 800 451-8346.  
SEE SECTION 5 FOR ADDITIONAL EMERGENCY INFORMATIONINVENTORY ITEM #  
ESR72PRODUCT NAME  
KS PREMIUM STRIPPER 18 OZ AEROREVISED BY  
W.M. Barr Technical ServicesREVISION DATE  
12/19/2003

## SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

## CARCINOGENICITY

SUBSTANCE DESCRIPTION	PERCENT	CAS#	NTP	ACGIH	OSHA	IARC
METHYLENE CHLORIDE	85- 90	75-09-2	Y	Y	N	Y
PROPELLANT: CARBON DIOXIDE	1- 5	124-38-9	N	N	N	N
METHANOL	1- 5	67-56-1	N	N	N	N
NONYLPHENOXYPOLYETHOXYETHANOL	1- 5	9016-45-9	N	N	N	N

## SECTION 3. REGULATORY INFORMATION

## EXPOSURE LIMITS/REGULATORY INFORMATION

SUBSTANCE DESCRIPTION	REG.AGCY	U/M	TWA	STEL	CEIL	SKIN	PEL
METHYLENE CHLORIDE	ACGIH	PPM	50.00	N/E	N/E	N	N/E
	OSHA	PPM	25.00	125.00	1000.00	N	N/E

OSHA PEAK CONCENTRATION FOR 8HR SHIFT:2000 PPM FOR 5 MIN. IN ANY 2 HRS.  
EMPLOYERS ARE REQUIRED TO CONDUCT INITIAL MONITORING OF AIRBORNE  
METHYLENE CHLORIDE, (MC), CONCENTRATIONS AND TO CONDUCT PERIODIC (MC)  
EXPOSURE MONITORING FOR ALL TASKS WHERE EMPLOYEE EXPOSURES ARE ABOVE  
ACTION LEVEL (12.5 PPM, 8-HR TWA) OR STEL. NTP-ANTICIPATED CARCINOGEN; IARC  
POSSIBLE CARCINOGEN (2B); ACGIH-SUSPECTED CARCINOGEN (A2); NIOSH-DEFINED  
CARCINOGEN. (MC) HAS CAUSED CANCER IN CERTAIN LABORATORY ANIMAL TESTS.  
RISK TO YOUR HEALTH DEPENDS ON LEVEL AND DURATION OF EXPOSURE.

PROPELLANT: CARBON DIOXIDE	ACGIH	PPM	5000.00	**	N/E	N	N/E
	OSHA	PPM	N/E	**	N/E	N	5000.00

\*\* ACGIH STEL 30000 PPM.  
\*\* OSHA TWA 10000 PPM; OSHA STEL 30000 PPM.

METHANOL	ACGIH	PPM	200.00	250.00	N/E	Y	N/E
	OSHA	PPM	200.00	250.00	N/E	Y	200.00
NONYLPHENOXYPOLYETHOXYETHANOL	ACGIH	PPM	N/E	N/E	N/E	N	N/E
	OSHA	PPM	N/E	N/E	N/E	N	N/E

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SECTION 3. REGULATORY INFORMATION  
(CONTINUED)

## ADDITIONAL REGULATORY INFO

The time weighted average (TWA) value described herein is a threshold limit value (TLV) as established by ACGIH. The permissible exposure limit (PEL) is a value established by OSHA.

## CALIFORNIA (PROPOSITION #65)

WARNING: Using this product will expose you to Methylene Chloride, which is known to cause cancer.

## SEC. 313 SUPPLIER NOTIFICATION

The following information must be included in all MSDS that are copied and distributed for this material.

This product contains the following toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40CFR 372):

SUBSTANCE DESCRIPTION	PERCENT BY WEIGHT (UPPER LIMIT)	CAS#
METHYLENE CHLORIDE	90	75-09-2
METHANOL	5	67-56-1

## CLEAN AIR ACT

This formula contains no known ozone depleting chemicals.

## HAZARD COMMUNICATION STANDARD

This document is prepared in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200). This MSDS contains thirteen (13) sections.

\*\*\*\*\*  
The following effects and/or symptoms are not expected to be experienced by persons who use this product properly and according to ALL instructions, precautions, and warnings; however, should the product user experience ANY questionable effects or symptoms, the product user should immediately seek medical attention.

## SECTION 4. HAZARDS IDENTIFICATION

## INHALATION ACUTE EXPOSURE EFFECTS

Harmful if inhaled. May cause dizziness; headache; irritation of respiratory tract; nausea; numbness of fingers, arms and legs; hot flashes; spotted vision; dilation in pupils; watering of eyes; depression of the central nervous system; vomiting; diarrhea; visual disturbances; giddiness and intoxication; sleepiness; drowsiness; salivation; sweating; restlessness; malaise; weakness; cough and dyspnea; cold, clammy extremities; rapid breathing; increase of carboxyhemoglobin levels, which can cause stress to the cardiovascular system; fatigue; and arm, leg and chest pains. Severe overexposure may cause irregular or rapid heartbeat, convulsions, unconsciousness, coma, and death. Intentional misuse of this product by deliberately concentrating and inhaling can be harmful or fatal. Elevated carboxyhemoglobin levels can be additive to the increase caused by smoking and other carbon monoxide sources.

## SKIN CONTACT ACUTE EXPOSURE EFFECTS

This product is a skin irritant. Product may be absorbed through skin. May cause irritation; defatting; drying of skin; and dermatitis. May cause and increase the severity of symptoms listed under inhalation.

## EYE CONTACT ACUTE EXPOSURE EFFECTS

This material is an eye irritant. May cause irritation, burns, redness, tearing, blurred vision, conjunctivitis of eyes, and corneal ulcerations of the eye. Vapors may irritate eyes.

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SECTION 4. HAZARDS IDENTIFICATION  
(CONTINUED)  
-----**INGESTION ACUTE EXPOSURE EFFECTS**

Harmful if swallowed. May cause dizziness; headache; nausea; irritation to mouth, throat and stomach; vomiting; depression of the central nervous system; narcosis; gastrointestinal irritation; diarrhea; stupor; blindness; liver, kidney, and heart damage; and death. May produce symptoms listed under inhalation. Liquid aspirated into lungs may cause chemical pneumonitis and systemic effects.

**CHRONIC EXPOSURE EFFECTS**

Reports have associated repeated and prolonged overexposure to solvents with neurological and other physiological damage. Prolonged or repeated contact may cause dermatitis. Prolonged skin contact may result in absorption of a harmful amount of material. May cause conjunctivitis; gastric disturbances; skin irritation; headaches; permanent central nervous system changes; decreased response to visual and auditory stimulation; visual impairment or blindness; hallucinations; giddiness; insomnia; pancreatic damage; kidney damage; liver damage; changes in blood; brain damage; eye damage; blood disorders; and death. May cause additional symptoms listed under inhalation.

**MEDICAL CONDITIONS AGGRAVATED**

Diseases of the blood, skin, liver, kidneys, lungs, eyes, respiratory system and cardiovascular system; alcoholism; and rhythm disorders of the heart.

**PRIMARY ROUTE OF EXPOSURE**

Inhalation, ingestion, and dermal.

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SECTION 5. FIRST AID MEASURES  
-----**INHALATION**

If user experiences breathing difficulty, move to air free of vapors. Administer oxygen or artificial respiration until medical assistance can be rendered.

**SKIN CONTACT**

Wash with soap and large quantities of water and seek medical attention if irritation from contact persists.

**EYE CONTACT**

Flush with large quantities of water for at least 15 minutes and seek immediate medical attention.

**INGESTION**

Call your poison control center, hospital emergency room, or physician immediately for instructions.

**NOTE TO PHYSICIAN**

THIS PRODUCT CONTAINS METHYLENE CHLORIDE AND LESS THAN 4% METHANOL. Methanol is metabolized to formaldehyde and formic acid. These metabolites may cause metabolic acidosis, visual disturbances, and blindness. Since metabolism is required for these toxic symptoms, their onset may be delayed from 6 to 30 hours following ingestion. Ethanol competes for the same metabolic pathway and has been used as an antidote. Methanol is effectively removed by hemodialysis. Adrenalin should never be given to a person overexposed to methylene chloride. This formula is registered with POISINDEX. Call your local poison control center for further information.

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## SECTION 6. FIRE FIGHTING MEASURES

HAZARD RATING SOURCE	HMIS	NFPA
HEALTH	2	2
FLAMMABILITY	4	4
REACTIVITY	0	0
OTHER	G	NA

FLASH METHOD  
Flame ExtensionFLASH POINT  
N/E F N/E CLOWER EXPLOSION LIMIT  
N/E

## GENERAL COMMENTS

Aerosol Flammability Classification according to ASTM D-3065-77  
and FHSA 1500.45.

CPSC FLAMMABILITY: Non-flammable Aerosol

## EXTINGUISHING METHOD

Use carbon dioxide, dry powder, or foam.

## FIRE FIGHTING PROCEDURES

Self-contained respiratory protection should be provided for fire fighters fighting fires in buildings or confined areas. Storage containers exposed to fire should be kept cool with water spray to prevent pressure build-up. Stay away from heads of containers that have been exposed to intense heat or flame.

## FIRE AND EXPLOSION HAZARDS

Contents under pressure. Do not puncture, incinerate or store above 120 degrees F. Exposure to heat or prolonged exposure to sun may cause bursting. Contact of liquid or vapor with flame or hot surfaces will produce toxic gases and a corrosive residue that will cause deterioration of metal.

## SECTION 7. ACCIDENTAL RELEASE MEASURES

## CLEAN-UP

Keep unnecessary people away. Isolate hazard and deny entry until all gas has dispersed. Stop leak if you can do it without risk. Stay upwind, out of low areas and ventilate closed areas before entering. Keep flares, smoking or flames out of the hazard area. Use water spray to reduce vapors. For the liquid portion of the spill, take up liquid with sand, earth or other non-combustible absorbent material and place in a plastic container where applicable. Do not touch or walk through spilled material.

For transportation related spills, contact Chemtrec at 1-800-424-9300 for emergency assistance.

## WASTE DISPOSAL

Dispose in accordance with applicable local, state and federal regulations.

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## SECTION 8. HANDLING AND STORAGE

## STORAGE

Store as Level 1 Aerosol (NFPA 30B)  
Replace overcap on container after each use. Store in a cool, dry place. Do not store near flames or at elevated temperatures.

## HANDLING

Read carefully all cautions and directions on product label before use. Since empty container retains residue, follow all label warnings even after container is empty. Dispose of empty container according to all regulations. Do not reuse this container.

## SECTION 9. TRANSPORT INFORMATION

## TRANSPORTATION

For D.O.T. information, contact W.M. Barr Technical Services Department.

## SECTION 10. EXPOSURE CONTROLS/PERSONAL PROTECTION

## VENTILATION PROTECTION

Use only with adequate ventilation to prevent build-up of vapors. Open all windows and doors. Use only with a cross ventilation of moving fresh air across the work area. If strong odor is noticed or you experience slight dizziness, headache, nausea, or eye-watering - STOP - ventilation is inadequate. Leave area immediately.

## RESPIRATORY PROTECTION

For OSHA controlled work place and other regular users - Use only with adequate ventilation under engineered air control systems designed to prevent exceeding appropriate TLV. For occasional use, where engineered air control is not feasible, use properly maintained and properly fitted NIOSH approved self-contained breathing apparatus for chlorinated solvent vapors. A dust mask does not provide protection against vapors.

## SKIN PROTECTION

Wear impermeable gloves. Gloves contaminated with product should be discarded. Promptly remove clothing that becomes soiled with product.

## EYE PROTECTION

Safety glasses, chemical goggles or face shields are recommended to safeguard against potential eye contact, irritation, or injury. Contact lenses should not be worn while working with chemicals.

## OTHER PROTECTION

Various application methods can dictate use of additional protective safety equipment, such as impermeable aprons, etc., to minimize exposure. A source of clean water should be available in the work area for flushing eyes and skin. Do not eat, drink, or smoke in the work area. Wash hands thoroughly after use. Before reuse, thoroughly clean any clothing or protective equipment that has been contaminated by prior use. Discard any clothing or other protective equipment that cannot be decontaminated, such as gloves or shoes.

## SECTION 11. PHYSICAL AND CHEMICAL PROPERTIES

## VOLATILE %

95.000  
by weight

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SECTION 11. PHYSICAL AND CHEMICAL PROPERTIES  
(CONTINUED)  
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## BOILING POINT

GT 104.00 F 40.00 C BOILING RANGE: 104 F - 148 F

## VAPOR DENSITY (Air = 1.0)

Heavier than air

## EVAPORATION RATE

Slower than ether

## BULK DENSITY

10.613  
lbs/gal at 75

## pH FACTOR

N/E

## PHOTOCHEMICALLY REACTIVE

Not Applicable

## MAX V.O.C.

Not Applicable

## MAX VAPOR PRESSURE

Not Applicable

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SECTION 12. STABILITY AND REACTIVITY  
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## INCOMPATIBILITIES

Incompatible with strong oxidizing agents; strong caustics; alkali and alkali metals; oxygen; nitrogen peroxide; chemically active metals such as aluminum and magnesium; sodium; potassium; and nitric acid.

## DECOMPOSITION

Thermal decomposition may produce hydrogen chloride; chlorine gas and small quantities of phosgene.

## POLYMERIZATION

Will not occur.

## STABILITY

Stable.

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SECTION 13. ADDITIONAL INFORMATION  
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## IMPORTANT NOTE

The information contained herein is presented in good faith and believed to be accurate as of the effective date shown above. This information is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determination of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. Any use of this data and information must be determined by the user to be in accordance with applicable federal, state and local laws and regulations.

## LEGEND:

PPM = parts per million

MG/M3 = milligrams per cubic meter

N/E or NE = none established

GT = greater than

N/A or NA = not applicable

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SECTION 13. ADDITIONAL INFORMATION  
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TCC = tag closed cup  
TOC = tag open cup  
PMCC = Pensky-Martens closed cup  
IDLH = Immediately Dangerous to Life and Health

\*\*\*END OF MSDS\*\*\*